
From: MORASH, MELANIE
Sent: Thursday, August 15, 2019 8:08 AM
To: Cashwell, James M CERG; Jennings, Lynne
Cc: DiLorenzo, James; Esakkipperumal, Chinny CERG; Bowen, Libby T; Kerry R Tull; Peter H. Thompson; DiLorenzo, James; Brandon, William; Ng, ManChak; Pechulis, Kevin; Kilborn, John; Jeffrey Brunelle; jlambert@nobis-group.com; Liyang Chu
Subject: Comments from EPA's Office of Research and Development - Olin's Memo on DAPL Treatment Options - Olin Chemical Superfund Site (Wilmington, MA)
Attachments: 11-16-18_EPA ORD Tech Memo_Prelim Review of DAPL Removal_Olin Site.pdf; 08-12-19_EPA ORD Tech Memo_Review of DAPL Treatment Approach_Olin Site.pdf

Good morning, James,

Attached please find a technical memo, dated August 12, 2019 ("Memo"), prepared by staff in EPA's Office of Research and Development ("ORD"). For your convenience, I have also attached to this e-mail an earlier technical memo prepared by ORD, dated November 16, 2018, that is referenced in the Memo.

We are providing the Memo to you in response to your e-mail of July 31, 2019, below, by which you transmitted a Technical Memorandum dated July 31, 2019, entitled, *Olin DAPL – Wastewater Treatment Approach*, which provided a conceptual overview of possible treatment options to treat the Dense Aqueous-Phase Liquid ("DAPL") pools at the Olin Chemical Superfund Site ("site").

We would appreciate your review and consideration of the feedback in the Memo. In addition, we suggest that you consider the likelihood that the composition of the extracted DAPL will vary over time as the DAPL pools are gradually depleted. One possibility to address the heterogeneity is to use batch instead of continuous treatment of the extracted DAPL, should equalization be unable to homogenize the waste stream for continuous treatment. A series of storage tanks could be used to temporarily store extracted DAPL, collect samples to determine key parameters, and then adjust the treatment process to accommodate that batch.

After you have had an opportunity to review these materials, we would be ready to set up a call with ORD staff to discuss further. Accordingly, please provide some late August/early September date/time options that work for you and your team for a call with ORD.

Regards,

Melanie

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From: Cashwell, James M CERG <JMCashwell@olin.com>
Sent: Wednesday, July 31, 2019 6:08 PM

To: Jennings, Lynne <Jennings.Lynne@epa.gov>

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Subject: OCS DAPL Treatment Memorandum

Lynne,

I've attached a memo from Wood to us that describes DAPL treatment options that we've thought about. It would be helpful if this could be passed on to USEPA ORD; we'd appreciate USEPA's input. We are ready to discuss at EPA's convenience.

Thanks,



James M. Cashwell, PE, BCEE

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